

What is claimed is:

- 1     1.     A method of displaying information, comprising:  
2             presenting a first subset of information of a file in a scrollable area, the first subset  
3     of information comprising, at least in part, a second subset of information, the second  
4     subset of information being designated as a materialization entity; and  
5             when the file in the scrollable area is scrolled and at least a portion of the  
6     materialization entity is scrolled out of the scrollable area, displaying the materialization  
7     entity, at least in part, in a materialization area.
- 1     2.     The method of Claim 1 further comprising:  
2             associating a materialization attribute with the materialization entity to designate  
3     the second subset of information as the materialization entity.
- 1     3.     The method of Claim 1 wherein the scrollable area is in a window and the  
2     materialization area is also in that same window.
- 1     4.     The method of Claim 1 wherein the scrollable area is in a first window, and  
2     wherein the materialization area is in a second window, different from the first window,  
3     to provide a materialization window.
- 1     5.     The method of Claim 4 wherein the materialization window is adjacent to the first  
2     window.
- 1     6.     The method of Claim 1 further comprising:  
2             when the at least a portion of the materialization entity is scrolled out of view,  
3     displaying the materialization area.
- 1     7.     The method of Claim 1 further comprising:  
2             displaying the materialization area in response to a user activation.

1     8.     The method of Claim 1 further comprising:  
2             when the materialization entity is scrolled back into the scrollable area, deleting  
3     the materialization window containing the materialization entity.

1     9.     The method of Claim 1 wherein a third subset of the information of the file is  
2     designated as an additional materialization entity; and  
3             when at least a portion of the additional materialization entity is scrolled out of  
4     view, displaying the additional materialization entity, at least in part, in the  
5     materialization area.

1     10.    The method of Claim 1 further comprising:  
2             when the materialization entity is scrolled back into the scrollable area, deleting  
3     the materialization entity from the materialization area.

1     11.    The method of Claim 1 further comprising:  
2             in response to a user signal with respect to the materialization entity in the  
3     materialization area, scrolling the file such that the materialization entity is displayed in  
4     the scrollable area.

1     12.    The method of Claim 2 wherein the materialization entity is associated with a  
2     materialization entity designation of temporary, further comprising:  
3             when the file is closed, disassociating the materialization attribute from the  
4     materialization entity.

1     13.    The method of Claim 1 wherein the materialization entity is associated with a  
2     materialization entity designation of permanent, further comprising when the  
3     materialization entity designation is permanent, storing the materialization entity  
4     designation in persistent storage.

1     14.     An article of manufacture comprising a computer program usable medium  
2     embodying one or more instructions executable by a computer for performing a method  
3     of displaying information, the method comprising:  
4         presenting a first subset of information of a file in a scrollable area, the first subset  
5     of information comprising, at least in part, a second subset of information, the second  
6     subset of information being designated as a materialization entity; and  
7         when the file in the scrollable area is scrolled and at least a portion of the  
8     materialization entity is scrolled out of the scrollable area, displaying the materialization  
9     entity, at least in part, in a materialization area.

1     15.     The article of manufacture of Claim 14, said method further comprising:  
2         associating a materialization attribute with the materialization entity to designate  
3     the second subset of information as the materialization entity.

1     16.     The article of manufacture of Claim 14 wherein the scrollable area is in a window  
2     and the materialization area is also in that same window.

1     17.     The article of manufacture of Claim 14 wherein the scrollable area is in a first  
2     window, and wherein the materialization area is in a second window, different from the  
3     first window, to provide a materialization window.

1     18.     The article of manufacture of Claim 17 wherein the materialization window is  
2     adjacent to the first window.

1     19.     The article of manufacture of Claim 17, said method further comprising:  
2         when the materialization entity is scrolled back into the scrollable area, deleting  
3     the materialization window containing the first entity.

1     20.     The article of manufacture of Claim 17, said method further comprising:  
2         when the materialization entity is scrolled back into the scrollable area, deleting  
3     the materialization entity from the materialization area.

1 21. The article of manufacture of Claim 14, said method further comprising:  
2 when the at least a portion of the materialization entity is scrolled out of view,  
3 displaying the materialization area.

1 22. The article of manufacture of Claim 14, said method further comprising:  
2 displaying the materialization area in response to a user activation.

1 23. The article of manufacture of Claim 14 wherein a third subset of the information  
2 of the file is designated as an additional materialization entity; said method further  
3 comprising:  
4 when at least a portion of the additional materialization entity is scrolled out of  
5 view, displaying at least the portion of the additional materialization entity in the  
6 materialization area.

1 24. The article of manufacture of Claim 14, said method further comprising:  
2 in response to a user signal with respect to the materialization entity in the  
3 materialization area, scrolling the file such that the materialization entity is displayed in  
4 the scrollable area.

1 25. The article of manufacture of Claim 15 wherein the materialization entity is  
2 associated with a materialization entity designation of temporary, said method further  
3 comprising:  
4 when the file is closed, disassociating the materialization attribute from  
5 materialization entity.

1 26. The article of manufacture of Claim 14 wherein the materialization entity is  
2 associated with a materialization entity designation of permanent, further comprising  
3 when the materialization entity designation is permanent, storing the materialization  
4 entity designation in persistent storage.

1    27.    An apparatus for displaying information comprising:  
2            a processor; and  
3            a memory storing instructions that:  
4                    present a first subset of information of a file in a scrollable area, the first  
5            subset of information comprising, at least in part, a second subset of information, the  
6            second subset of information being designated as a materialization entity; and  
7                    display the materialization entity, at least in part, in a materialization area  
8            when the file in the scrollable area is scrolled and at least a portion of the materialization  
9            entity is scrolled out of the scrollable area.

1    28.    The apparatus of Claim 27 further comprising one or more instructions that:  
2            associate a materialization attribute with the materialization entity to designate the  
3            second subset of information as the materialization entity.

1    29.    The apparatus of Claim 27 wherein the scrollable area is in a window and the  
2            materialization area is also in that same window.

1    30.    The apparatus of Claim 27 wherein the scrollable area is in a first window, and  
2            wherein the materialization area is in a second window, different from the first window,  
3            to provide a materialization window.

1    31.    The apparatus of Claim 30 wherein the materialization window is adjacent to the  
2            first window.

1    32.    The apparatus of Claim 27, further comprising one or more instructions that:  
2            display the materialization area when the at least a portion of the materialization  
3            entity is scrolled out of view.

1    33.    The apparatus of Claim 27, further comprising one or more instructions that:  
2            display the materialization area in response to a user activation.

1     34.     The apparatus of Claim 27, further comprising one or more instructions that:  
2             delete the materialization window containing the materialization entity.

1     35.     The apparatus of Claim 27, wherein a third subset of information of the file is  
2     designated as an additional materialization entity; and further comprising one or more  
3     instructions that:  
4             display the additional materialization entity, at least in part, in the materialization  
5     area when at least a portion of the additional materialization is scrolled out of view.

1     36.     The apparatus of Claim 27, further comprising one or more instructions that:  
2             delete the materialization entity from the materialization area when the  
3     materialization entity is scrolled back into the scrollable area.

1     37.     The apparatus of Claim 27, further comprising one or more instructions that:  
2             scroll the file such that the materialization entity is displayed in the scrollable area  
3     in response to a user signal with respect to the materialization entity in the materialization  
4     area.

1     38.     The apparatus of Claim 28, wherein the materialization entity is associated with a  
2     materialization entity designation of temporary, further comprising one or more  
3     instructions that:  
4             disassociate the materialization attribute from materialization entity when the file  
5     is closed.

1     39.     The apparatus of Claim 27 wherein the materialization entity is associated with a  
2     materialization entity designation of permanent, further comprising when the  
3     materialization entity designation is permanent, storing the materialization entity  
4     designation in persistent storage.